

PCT REQUEST

Original (for SUBMISSION)

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|----------------|--|---|
| 0 | For receiving Office use only | |
| 0-1 | International Application No. | |
| 0-2 | International Filing Date | |
| 0-3 | Name of receiving Office and "PCT International Application" | |
| 0-4 | Form PCT/RO/101 PCT Request | |
| 0-4-1 | Prepared Using | PCT-SAFE [EASY mode] Version 3.50 (Build 0002.162) |
| 0-5 | Petition The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty | |
| 0-6 | Receiving Office (specified by the applicant) | United States Patent and Trademark Office (USPTO) (RO/US) |
| 0-7 | Applicant's or agent's file reference | X16230 |
| I | Title of Invention | BINDING COMPOSITIONS; RELATED REAGENTS |
| II | Applicant | |
| II-1 | This person is | applicant only |
| II-2 | Applicant for | all designated States except US |
| II-4 | Name | ELI LILLY AND COMPANY |
| II-5 | Address | Lilly Corporate Center Indianapolis, Indiana 46285 United States of America |
| II-6 | State of nationality | US |
| II-7 | State of residence | US |
| II-8 | Telephone No. | 317.276.3964 |
| II-9 | Facsimile No. | 317.276.3861 |
| III-1 | Applicant and/or Inventor | |
| III-1-1 | This person is | applicant and inventor |
| III-1-2 | Applicant for | US only |
| III-1-4 | Name (LAST, First) | BRADLEY, Heidi, Marie |
| III-1-5 | Address | 5810 Crittenden Indianapolis, Indiana 46220 United States of America |
| III-1-6 | State of nationality | US |
| III-1-7 | State of residence | US |

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| III-2 | Applicant and/or Inventor | |
| III-2-1 | This person is | applicant and inventor |
| III-2-2 | Applicant for | US only |
| III-2-4 | Name (LAST, First) | KIKLY, Kristine, Kay |
| III-2-5 | Address | 6458 North, 50 East Fortville, Indiana 46040 United States of America |
| III-2-6 | State of nationality | US |
| III-2-7 | State of residence | US |
| III-3 | Applicant and/or Inventor | |
| III-3-1 | This person is | applicant and inventor |
| III-3-2 | Applicant for | US only |
| III-3-4 | Name (LAST, First) | LANCASTER, Joanne, Sloan |
| III-3-5 | Address | 6835 Bretton Wood Drive Indianapolis, Indiana 46268 United States of America |
| III-3-6 | State of nationality | US |
| III-3-7 | State of residence | US |
| III-4 | Applicant and/or Inventor | |
| III-4-1 | This person is | applicant and inventor |
| III-4-2 | Applicant for | US only |
| III-4-4 | Name (LAST, First) | ROWLINSON, Scott, William |
| III-4-5 | Address | 7918 Cove Trace Court Indianapolis, Indiana 46256 United States of America |
| III-4-6 | State of nationality | AU |
| III-4-7 | State of residence | US |
| IV-1 | Agent or common representative; or address for correspondence | |
| | The person identified below is hereby/ has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: | agent |
| IV-1-1 | Name (LAST, First) | KELEHER, Gerald, P. |
| IV-1-2 | Address | ELI LILLY AND COMPANY P. O. Box 6288 Indianapolis, Indiana 46206-6288 United States of America |
| IV-1-3 | Telephone No. | 317.276.3964 |
| IV-1-4 | Facsimile No. | 317.276.3861 |
| IV-1-6 | Agent's registration No. | 43,707 |
| IV-2 | Additional agent(s) | additional agent(s) with same address as |

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| IV-2-1 | Name(s) | first named agent PLANT, Thomas, M. (35,784) | |
| V | DESIGNATIONS | | |
| V-1 | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the international filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. | | |
| VI-1 | Priority claim of earlier national application | | |
| VI-1-1 | Filing date | 09 July 2003 (09.07.2003) | |
| VI-1-2 | Number | 60/485,820 | |
| VI-1-3 | Country | US | |
| VI-2 | Priority document request The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s): | VI-1 | |
| VII-1 | International Searching Authority Chosen | European Patent Office (EPO) (ISA/EP) | |
| VIII | Declarations | Number of declarations | |
| VIII-1 | Declaration as to the identity of the inventor | - | |
| VIII-2 | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent | 1 | |
| VIII-3 | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application | 1 | |
| VIII-4 | Declaration of inventorship (only for the purposes of the designation of the United States of America) | 1 | |
| VIII-5 | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty | - | |

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| VIII-2-1 | Declaration: Entitlement to apply for and be granted a patent Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate: Name (LAST, First) | in relation to this international application ELI LILLY AND COMPANY is entitled to apply for and be granted a patent by virtue of the following: |
| VIII-2-1(i) | | ELI LILLY AND COMPANY is entitled as employer of the inventor, BRADLEY, Heidi, Marie |
| VIII-2-1(i) | | ELI LILLY AND COMPANY is entitled as employer of the inventor, KIKLY, Kristine, Kay |
| VIII-2-1(i) | | ELI LILLY AND COMPANY is entitled as employer of the inventor, LANCASTER, Joanne, Sloan |
| VIII-2-1(i) | | ELI LILLY AND COMPANY is entitled as employer of the inventor, ROWLINSON, Scott, William |
| VIII-2-1(x) | This declaration is made for the purposes of: | all designations except the designation of the United States of America |

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| VIII-3-1 | <p>Declaration: Entitlement to claim priority</p> <p>Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application specified below, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the filing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii))</p> <p>Name</p> | <p>in relation to this international application</p> <p>ELI LILLY AND COMPANY</p> <p>is entitled to claim priority of earlier application No. 60/485,820 by virtue of the following:</p> |
| VIII-3-1(i)v) | | an assignment from BRADLEY, Heidi, Marie to ELI LILLY AND COMPANY, dated 09 September 2003 (09.09.2003) |
| VIII-3-1(i)v) | | an assignment from KIKLY, Kristine, Kay to ELI LILLY AND COMPANY, dated 09 September 2003 (09.09.2003) |
| VIII-3-1(i)v) | | an assignment from LANCASTER, Joanne, Sloan to ELI LILLY AND COMPANY, dated 09 September 2003 (09.09.2003) |
| VIII-3-1(i)v) | | an assignment from ROWLINSON, Scott, William to ELI LILLY AND COMPANY, dated 09 September 2003 (09.09.2003) |
| VIII-3-1(i)x) | This declaration is made for the purposes of: | <p>AP: (BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW); EA: (AM AZ BY KG KZ MD RU TJ TM); EP: (AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PL PT RO SE SI SK TR); OA: (BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG); AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH& LI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW</p> |


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| VIII-4-1 | <p>Declaration: Inventorship (only for the purposes of the designation of the United States of America) Declaration of Inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:</p> | <p>I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.</p> <p>This declaration is directed to the international application of which it forms a part (if filing declaration with application).</p> <p>I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.</p> <p>I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications", by application number, country or Member of the World Trade Organization, day, month, and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.</p> |
| VIII-4-1-1 | Prior applications: | |

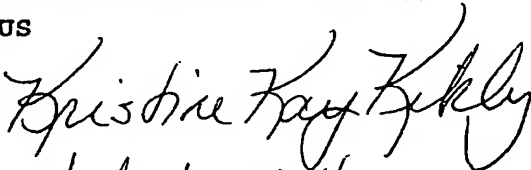
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| | | <p>I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.</p> <p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p> |
| VIII-4-1-1-1 | Name (LAST, First) | BRADLEY, Heidi, Marie |
| VIII-4-1-1-2 | Residence: (city and either US State, if applicable, or country) | Indianapolis, Indiana |
| VIII-4-1-1-3 | Mailing address: | 5810 Crittenden Indianapolis, IN 46220 United States of America |
| VIII-4-1-1-4 | Citizenship: | US |
| VIII-4-1-1-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |  01 July 2004 |
| VIII-4-1-1-6 | Date: (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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| VIII-4-1-2-1 | Name (LAST, First) | KIKLY, Kristine, Kay |
| VIII-4-1-2-2 | Residence: (city and either US State, if applicable, or country) | Fortville, Indiana |
| VIII-4-1-2-3 | Mailing address: | 6458 North, 50 East Fortville, IN 46040 United States of America |
| VIII-4-1-2-4 | Citizenship: | US |
| VIII-4-1-2-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |  July 1, 2004 |
| VIII-4-1-2-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |
| VIII-4-1-3-1 | Name (LAST, First) | LANCASTER, Joanne, Sloan |
| VIII-4-1-3-2 | Residence: (city and either US State, if applicable, or country) | Indianapolis, Indiana |
| VIII-4-1-3-3 | Mailing address: | 6835 Bretton Wood Drive Indianapolis, IN 46268 United States of America |
| VIII-4-1-3-4 | Citizenship: | US |
| VIII-4-1-3-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) | |
| VIII-4-1-3-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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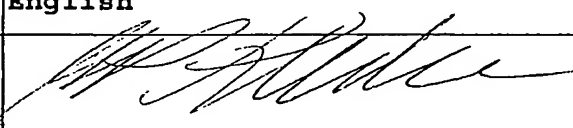
| | | |
|--------------|---|---|
| VIII-4-1-4-1 | Name (LAST, First) | ROWLINSON, Scott, William |
| VIII-4-1-4-2 | Residence: (city and either US State, if applicable, or country) | Indianapolis, Indiana |
| VIII-4-1-4-3 | Mailing address: | 7918 Cove Trace Court Indianapolis, IN 46256 United States of America |
| VIII-4-1-4-4 | Citizenship: | AU |
| VIII-4-1-4-5 | Inventor's Signature: (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) |  7/2/04 |
| VIII-4-1-4-6 | Date (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application) | |

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| IX | Check list | number of sheets | electronic file(s) attached |
|-------------------|--|--|-----------------------------|
| IX-1 | Request (including declaration sheets) | 11 | ✓ |
| IX-2 | Description (excluding sequence listing part) | 103 | - |
| IX-3 | Claims | 8 | - |
| IX-4 | Abstract | 1 | ✓ |
| IX-5 | Drawings | 0 | - |
| IX-7a | Sub-total number of sheets | 123 | |
| IX-6a | Sequence listing part of description | 16 | - |
| IX-7 | TOTAL | 139 | |
| | Accompanying Items | paper document(s) attached | electronic file(s) attached |
| IX-8 | Fee calculation sheet | ✓ | - |
| IX-10 | Original general power of attorney | ✓ | - |
| IX-11 | Copy of general power of attorney | ✓ | - |
| IX-16(A) | Sequence listing in computer readable form | | |
| IX-16(A) - (i) | copy submitted for the purposes of international search under Rule 13ter only (and not as part of the international application) | - | 1 Diskette |
| IX-17 | PCT-SAFE physical media | - | ✓ |
| IX-18 | other | RETURN RECEIPT POSTCARD | |
| IX-18 | other | Statement to Support Filing and Submission of Sequence Listing | |
| IX-18 | other | Delegation of Authority | |
| IX-18 | other | PCT International Application Cover Letter | |
| IX-19 | Figure of the drawings which should accompany the abstract | | |
| IX-20 | Language of filing of the international application | English | |
| X-1 | Signature of applicant, agent or common representative |  | |
| X-1-1 | Name | ELI LILLY AND COMPANY | |
| X-1-2 | Name of signatory | Gerald P. Keleher | |
| X-1-3 | Capacity | Agent | |

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FOR RECEIVING OFFICE USE ONLY

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|-------------|---|--------|
| 10-1 | Date of actual receipt of the purported international application | |
| 10-2 | Drawings: | |
| 10-2-1 | Received | |
| 10-2-2 | Not received | |
| 10-3 | Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application | |
| 10-4 | Date of timely receipt of the required corrections under PCT Article 11(2) | |
| 10-5 | International Searching Authority | ISA/EP |
| 10-6 | Transmittal of search copy delayed until search fee is paid | |

FOR INTERNATIONAL BUREAU USE ONLY

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| 11-1 | Date of receipt of the record copy by the International Bureau | |
|-------------|--|--|